

### Claims:

1. A diagnosis process comprising bringing into contact a liquid sample to be examined with the surface of a polymer on which recognition structures are immobilized which are able to bond specific components of the liquid, characterized in that the polymer surface comprises carbonyl groups in the form of keto groups or carboxylic acid derivatives, the recognition structures are immobilized by means of a linker, and that a labeled substance, which can also be bonded by means of the recognition structure, is added to the sample, wherein the addition is effected before bringing the sample into contact with the polymer surface.
2. The process according to claim 1, wherein the polymer is polyalkyl methacrylate, polyvinyl acetate, polycyclohexyl methacrylate or a copolymer comprising units of these polymers.
3. The process according to claim 1 or 2, wherein the surface is a surface of a microtiter plate, cuvette or measuring tube.
4. The process according to any one of claims 1 to 3, wherein the linker is a polyalkylene glycol, polyalkylene imine, polyalkylene amine or polyalkylene sulfide.
5. The process according to any one of claims 1 to 4, wherein the recognition structure is an antigen, a specific antibody, an enzyme or an inhibitor of enzymes.
6. The process according to any one of claims 1 to 5, wherein the sample is a body fluid selected from the group consisting of blood, urine, plasma or sperm.

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7. The process according to any one of claims 1 to 6, wherein the polymer is present in the form of particles which are applied to the surface of any material.
8. The process according to claim 1, wherein the surface is the surface of a stirring device which is introduced into the sample receptacle.
9. The process according to claim 8, wherein the labeled substance is color detectable in the visible area.
10. The process according to any one of claims 8 to 9, further comprising the quantification of the components to be detected by means of a color comparison with a comparator scale.
11. The process according to any one of claims 1 to 7, further comprising the quantification of the components to be detected by means of a suitable detection process.

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